| Electronic Patent Application Fee Transmittal |        |   |          |        |                      |  |  |
|---|--------|---|----------|--------|----------------------|--|--|
| Application Number:                           | 10     | 10537489  |          |        |                      |  |  |
| Filing Date:                                  | 03     | 03-Jun-2005   |          |        |                      |  |  |
| Title of Invention:                           | Se     | Semiconductor optical device having quantum well structure and its manufacturing method |          |        |                      |  |  |
| First Named Inventor/Applicant Name:          | Ak     | Akitaka Kimura  |          |        |                      |  |  |
| Filer:  | Bri    | Brian Kenneth Shelton/Deanna Thomas   |          |        |                      |  |  |
| Attorney Docket Number:                       | QE     | Q88348  |          |        |                      |  |  |
| Filed as Large Entity                         |        |   |          |        |                      |  |  |
| U.S. National Stage under 35 USC 371          | Filing | Fees  |          |        |                      |  |  |
| Description                                   |        | Fee Code  | Quantity | Amount | Sub-Total in USD(\$) |  |  |
| Basic Filing:                                 |        |   | 1        |        | l                    |  |  |
| Pages:  |        |   |          | Δ      |                      |  |  |
| Claims:                                       |        |   | T.       |        |                      |  |  |
| Independent claims in excess of 3             |        | 1614  | 1        | 210    | 210                  |  |  |
| Miscellaneous-Filing:                         |        |   |          |        |                      |  |  |
| Petition:                                     |        |   |          |        |                      |  |  |
| Patent-Appeals-and-Interference:              |        |   |          |        |                      |  |  |
| Post-Allowance-and-Post-Issuance:             |        |   |          |        |                      |  |  |
| Extension-of-Time:                            |        |   |          |        |                      |  |  |

| Description    | Fee Code          | Quantity | Amount | Sub-Total in<br>USD(\$) |
|----------------|-------------------|----------|--------|-------------------------|
| Miscellaneous: |                   |          |        |                         |
|                | Total in USD (\$) |          |        | 210                     |